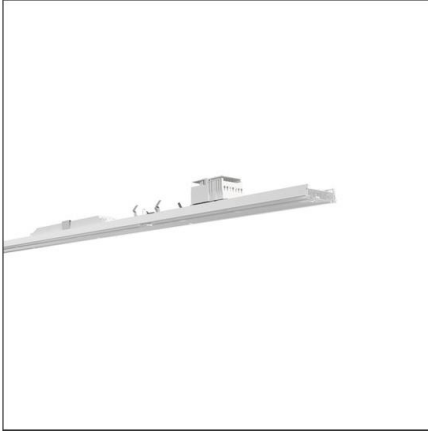


Lichttechnischer Prüfbefund

Familie
Licross® Recessed

Bestell-Nr.: 51TL12DN59XF
EAN: 4058352434239

LP-Nummer
58637_148



Ausführung Abdeckung satiniert, breit strahlend, hoher Sehkomfort

Bestückung LED 5000 K | CRI ≥ 80

Betriebsgerät EVG-DALI

Bemessungswerte Nettolichtstrom = 9070 lm
Systemleistung = 55.4 W
Lichtausbeute = 163.7 lm/W

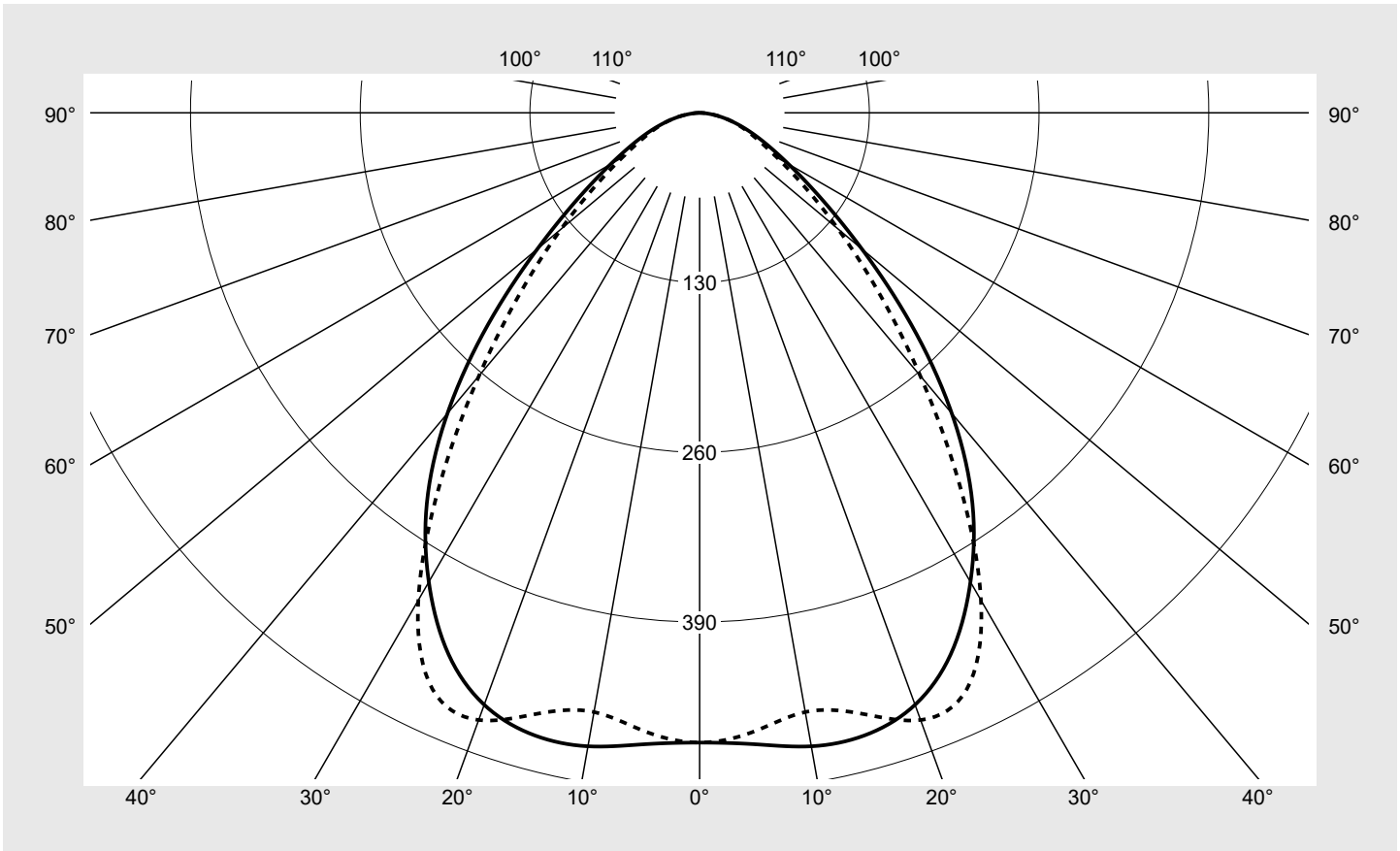
Seriendokumentation
12.10.2022

sITeco

Lichtstärke in cd/klm

C180-0 **C270-90**

Imax: 498 cd/klm



Klassifizierungen

DIN 5040 A 5 0
CIE N1=67 N2=92 N3=99
N4=100 N5=100

Leuchtenbetriebswirkungsgrade

η_{LB} 100,0%
 ϕ_u 100,0%
 ϕ_o 0,0%

Messbedingungen

DIN EN 13032 und DIN 5032

Lichttechnischer Prüfbefund

| | | |
|--------------------------------------------|---------------------------------------------------------------|--------------------------------------|
| Familie Licross® Recessed | Bestell-Nr.: 51TL12DN59XF EAN: 4058352434239 | LP-Nummer 58637_148 |
| Wertetabelle Lichtstärkemessung | | Maximale Lichtstärke |
| | | sITeco |

| C- Ebenen | 0° 180° | 15° | 30° | 45° | 60° | 75° | 90° 270° | Phi-Zone | Summe Phi-Zone |
|--------------|------------|----------------------|----------------------|----------------------|----------------------|----------------------|-------------|-----------------------|-------------------|
| | | 165° 195° 345° | 150° 210° 330° | 135° 225° 315° | 120° 240° 300° | 105° 255° 285° | | | |
| γ | | | | | | | | Lichtstärke in cd/klm | |
| | | | | | | | | Lichtstrom in lm/klm | |
| 0° | 482.3 | 482.3 | 482.3 | 482.3 | 482.3 | 482.3 | 482.3 | 2.9 | 2.9 |
| 5° | 485.4 | 482.8 | 478.2 | 477.5 | 477.4 | 475.9 | 475.7 | 22.9 | 25.8 |
| 10° | 492.7 | 488.2 | 477.9 | 471.3 | 467.6 | 465.9 | 466.0 | 45.2 | 71.0 |
| 15° | 493.2 | 486.1 | 471.9 | 467.9 | 471.0 | 473.7 | 476.3 | 67.5 | 138.5 |
| 20° | 482.5 | 473.5 | 462.5 | 471.9 | 487.1 | 492.8 | 494.9 | 89.9 | 228.4 |
| 25° | 456.4 | 447.1 | 449.2 | 479.4 | 497.6 | 491.1 | 485.8 | 109.5 | 337.8 |
| 30° | 414.9 | 406.8 | 427.0 | 475.1 | 479.0 | 447.1 | 431.1 | 121.4 | 459.2 |
| 35° | 364.2 | 358.0 | 387.7 | 436.7 | 420.7 | 368.9 | 346.8 | 122.0 | 581.2 |
| 40° | 300.5 | 296.3 | 322.5 | 357.9 | 336.0 | 284.8 | 262.9 | 110.4 | 691.6 |
| 45° | 229.2 | 226.3 | 238.5 | 259.8 | 247.2 | 211.8 | 193.4 | 90.1 | 781.7 |
| 50° | 162.3 | 159.3 | 161.6 | 173.6 | 174.5 | 155.2 | 138.5 | 68.2 | 849.9 |
| 55° | 112.5 | 108.0 | 105.1 | 112.3 | 121.6 | 110.9 | 97.2 | 49.6 | 899.5 |
| 60° | 78.7 | 73.1 | 68.3 | 73.1 | 83.7 | 77.4 | 68.5 | 35.5 | 935.0 |
| 65° | 56.0 | 50.2 | 45.0 | 48.4 | 56.8 | 54.5 | 49.6 | 25.5 | 960.5 |
| 70° | 39.5 | 34.5 | 29.5 | 32.1 | 37.8 | 38.5 | 36.6 | 18.1 | 978.6 |
| 75° | 26.0 | 22.0 | 18.4 | 20.2 | 23.9 | 25.9 | 25.8 | 12.0 | 990.6 |
| 80° | 14.9 | 12.2 | 9.9 | 10.8 | 13.0 | 14.8 | 15.3 | 6.8 | 997.4 |
| 85° | 5.4 | 4.3 | 3.6 | 4.0 | 4.7 | 5.6 | 5.8 | 2.5 | 1000.0 |
| 90° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1000.0 |
| 180° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1000.0 |

Lichttechnischer Prüfbefund

| | | |
|-------------------------------------|---------------------------------------------------------------|-------------------------------|
| Familie Licross® Recessed | Bestell-Nr.: 51TL12DN59XF EAN: 4058352434239 | LP-Nummer 58637_148 |
|-------------------------------------|---------------------------------------------------------------|-------------------------------|

| UGR-Tabelle | | Standardraum | | | | | | | | | |
|-----------------|-----|-------------------------------------|------|------|------|------|---------------------------------------|------|------|------|------|
| Raumabmessungen | | Blickrichtung quer zur Leuchte (C0) | | | | | Blickrichtung längs zur Leuchte (C90) | | | | |
| x | y | | | | | | | | | | |
| 2H | 2H | 22,3 | 23,8 | 22,6 | 24,1 | 24,4 | 22,4 | 23,9 | 22,7 | 24,2 | 24,5 |
| | 3H | 22,8 | 24,1 | 23,2 | 24,5 | 24,8 | 22,9 | 24,3 | 23,3 | 24,6 | 24,9 |
| | 4H | 23,0 | 24,3 | 23,4 | 24,6 | 25,0 | 23,2 | 24,4 | 23,6 | 24,8 | 25,1 |
| | 6H | 23,2 | 24,3 | 23,6 | 24,7 | 25,1 | 23,4 | 24,5 | 23,8 | 24,9 | 25,3 |
| | 8H | 23,3 | 24,3 | 23,7 | 24,7 | 25,1 | 23,5 | 24,5 | 23,9 | 24,9 | 25,3 |
| | 12H | 23,3 | 24,3 | 23,8 | 24,7 | 25,1 | 23,5 | 24,5 | 23,9 | 24,9 | 25,3 |
| 4H | 2H | 22,5 | 23,7 | 22,9 | 24,1 | 24,5 | 22,6 | 23,8 | 23,0 | 24,2 | 24,6 |
| | 3H | 23,1 | 24,1 | 23,5 | 24,5 | 24,9 | 23,3 | 24,3 | 23,7 | 24,7 | 25,1 |
| | 4H | 23,4 | 24,3 | 23,8 | 24,7 | 25,2 | 23,6 | 24,6 | 24,1 | 25,0 | 25,4 |
| | 6H | 23,6 | 24,4 | 24,1 | 24,8 | 25,3 | 23,9 | 24,7 | 24,4 | 25,2 | 25,6 |
| | 8H | 23,7 | 24,4 | 24,2 | 24,9 | 25,3 | 24,0 | 24,7 | 24,5 | 25,2 | 25,7 |
| | 12H | 23,8 | 24,4 | 24,3 | 24,8 | 25,3 | 24,1 | 24,7 | 24,6 | 25,2 | 25,7 |
| 8H | 4H | 23,5 | 24,2 | 23,9 | 24,6 | 25,1 | 23,7 | 24,4 | 24,2 | 24,9 | 25,3 |
| | 6H | 23,7 | 24,3 | 24,2 | 24,8 | 25,3 | 24,0 | 24,6 | 24,5 | 25,1 | 25,6 |
| | 8H | 23,8 | 24,3 | 24,3 | 24,8 | 25,3 | 24,2 | 24,7 | 24,7 | 25,2 | 25,7 |
| | 12H | 23,9 | 24,3 | 24,4 | 24,8 | 25,4 | 24,3 | 24,7 | 24,8 | 25,2 | 25,7 |
| 12H | 4H | 23,5 | 24,1 | 24,0 | 24,6 | 25,1 | 23,7 | 24,3 | 24,2 | 24,8 | 25,3 |
| | 6H | 23,7 | 24,2 | 24,3 | 24,7 | 25,2 | 24,1 | 24,5 | 24,6 | 25,0 | 25,6 |
| | 8H | 23,8 | 24,3 | 24,4 | 24,8 | 25,3 | 24,2 | 24,6 | 24,7 | 25,1 | 25,7 |

Leuchtdichten-Tabelle Max. für $\gamma \geq 65^\circ$

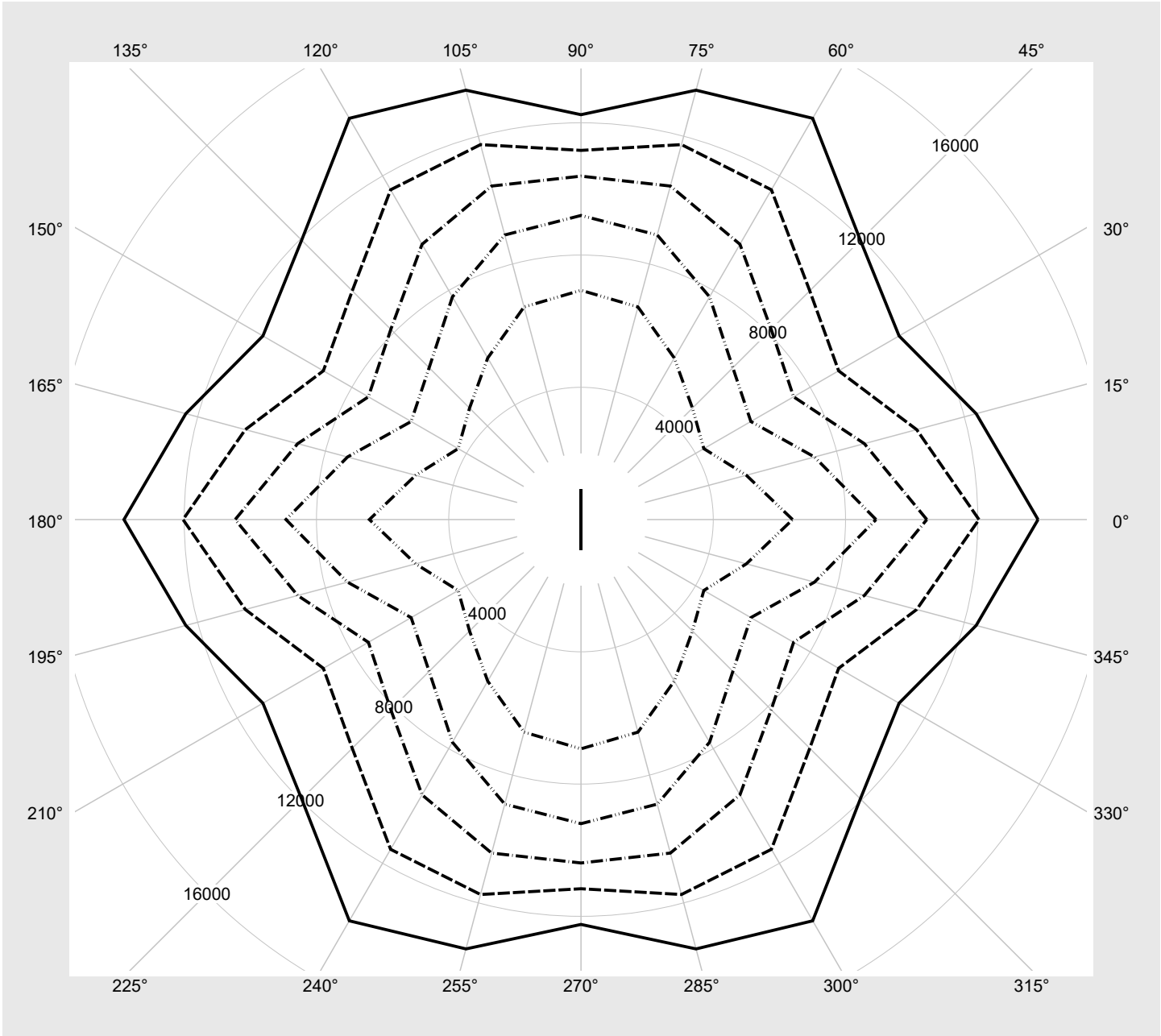
Lichttechnische Abmessungen in mm: L = 1500 B = 58

| C- Ebenen | γ | Leuchtdichte in cd/m ² | | | | | | |
|-----------|----------|-----------------------------------|-----------------------------|-----------------------------|-----------------------------|-----------------------------|-----------------------------|-------------|
| | | 0° 180° | 15° 165° 195° 345° | 30° 150° 210° 330° | 45° 135° 225° 315° | 60° 120° 240° 300° | 75° 105° 255° 285° | 90° 270° |
| 45° | | 33785.4 | 33365.5 | 35164.6 | 38301.9 | 36441.0 | 31232.8 | 28507.2 |
| 50° | | 26323.4 | 25843.1 | 26210.0 | 28162.1 | 28307.1 | 25177.4 | 22464.4 |
| 55° | | 20444.7 | 19627.5 | 19104.7 | 20419.4 | 22109.6 | 20165.5 | 17663.2 |
| 60° | | 16411.5 | 15250.3 | 14245.9 | 15248.7 | 17442.5 | 16131.3 | 14272.2 |
| 65° | | 13822.7 | 12373.4 | 11107.9 | 11948.4 | 14013.6 | 13444.0 | 12245.4 |
| 70° | | 12035.9 | 10510.6 | 8997.2 | 9783.6 | 11516.8 | 11740.6 | 11166.0 |
| 75° | | 10458.8 | 8871.3 | 7424.9 | 8134.6 | 9614.1 | 10443.0 | 10386.7 |
| 80° | | 8922.7 | 7311.3 | 5931.6 | 6494.8 | 7777.2 | 8910.7 | 9197.6 |
| 85° | | 6399.5 | 5177.0 | 4289.5 | 4766.7 | 5642.3 | 6656.7 | 6934.2 |

Lichttechnischer Prüfbefund

| | | |
|--------------------------------------------|---------------------------------------------------------------|--------------------------------------|
| Familie Licross® Recessed | Bestell-Nr.: 51TL12DN59XF EAN: 4058352434239 | LP-Nummer 58637_148 |
|--------------------------------------------|---------------------------------------------------------------|--------------------------------------|

Leuchtdichten in cd/m² γ 65° γ 70° γ 75° γ 80° γ 85° **siteco**



Lichttechnischer Prüfbefund

| | | |
|--------------------------------------------|---------------------------------------------------------------|--------------------------------------|
| Familie Licross® Recessed | Bestell-Nr.: 51TL12DN59XF EAN: 4058352434239 | LP-Nummer 58637_148 |
|--------------------------------------------|---------------------------------------------------------------|--------------------------------------|

| | | |
|---------------------------|---------------------------|---------------|
| Dimmstufen-Tabelle | Umgebungstemperatur: 25°C | sITeco |
|---------------------------|---------------------------|---------------|

| Lichtstrom [%] | Dimmstufe linear | Dimmstufe logarithmisch | Lichtstrom [lm] | Systemleistung [W] |
|----------------|------------------|-------------------------|-----------------|--------------------|
| 100 | 254 | 254 | 9070 | 55.4 |
| 95 | 240 | 252 | 8617 | 52.4 |
| 90 | 226 | 250 | 8161 | 49.3 |
| 85 | 212 | 247 | 7695 | 46.2 |
| 80 | 199 | 245 | 7261 | 43.5 |
| 75 | 186 | 243 | 6817 | 40.7 |
| 70 | 173 | 240 | 6346 | 37.7 |
| 65 | 160 | 237 | 5894 | 35.0 |
| 60 | 147 | 234 | 5442 | 32.3 |
| 55 | 134 | 231 | 4981 | 29.5 |
| 50 | 121 | 227 | 4522 | 26.8 |
| 45 | 109 | 223 | 4089 | 24.4 |
| 40 | 96 | 218 | 3616 | 21.7 |
| 35 | 84 | 213 | 3174 | 19.2 |
| 30 | 72 | 208 | 2730 | 16.7 |
| 25 | 60 | 201 | 2280 | 14.3 |
| 20 | 48 | 193 | 1826 | 11.8 |
| 15 | 36 | 182 | 1370 | 9.5 |
| 10 | 24 | 168 | 908 | 7.0 |
| 5 | 12 | 142 | 444 | 4.6 |
| 2 | 5 | 110 | 177 | 3.2 |